Amendments to the Specification:

Please replace the paragraph beginning at page 6, line 4, with the following redlined paragraph:

The flexibility and efficiency of the re-configurable thick/wide mode cache is enhanced by means of two pointers – an update ~~painter~~ pointer indicating the current banks of memory in the cache to be updated, and a start pointer(s) and associated search width parameter(s) for indicating the current search area(s) in the cache. The update pointer points to one logical bank which is the current update bank. The start pointer points to one logical bank which contains one end of the search area, and the extent of the search area given by a search width parameter which value indicates, with respect to the location of the start pointer, the range of consecutive logical banks that contain the search area.

Please add, beginning at page 19, between lines 1 and 2, the following new paragraph:

--We claim:--.